



# **Forest Sector Stakeholder Workgroup for Scoping Plan Development**

**February 22, 2008**

# Agenda

- **Welcome and introductions**
- **Overview of measures to date and process for analysis**
- **Stakeholder presentations on proposed measure quantification**
- **ARB Office of Climate Change guidance on process**
- **Suggestions for additional measures**
- **Comments and issues related to analyses**

# Measures

## Reforestation

- **Reforestation - CFIP**
- **Reforestation - Offset Market**
- **Reforestation - Federal Lands**
- **Reforestation - State Lands**

## Management

- **Riparian Buffer Extension by 200 ft**
- **Changes to Forest Practice Rules**
- **Address barriers in forestry assistance programs for non-industrials**
- **Aggregation of small landowners**
- **Working Forest Easements**
- **Ownership/Landscape-level mgt. plans**
- **Additional forest management improvements, such as extended rotations and thinning**
- **Replanting prior to the 10 year limit**
- **Forest Management on Public Lands**
- **Stimulating improved mgt. on non-industrial forest land through alternative regulatory path**
- **Increase thinning on non-reserved federal lands by 500k ac/yr (CFA)**

## Fuels

- **Bioenergy action plan**
- **Fuel reduction projects**
- **Fire Prevention**
- **Prescribed Fire**
- **Risk-based Insurance Fee Structuring**
- **Increase federal lands fuel treatment by 500k ac/yr (CFA)**

## Conservation

- **Prop 84 - forest conservation**
- **Prop 40\_50 - forest conservation**
- **Offset and mitigation banks**
- **Landowner consortium**
- **Land Use Planning**
- **NGO and local government programs**
- **Public/Private Partnerships**

## Urban Forestry

- **Tree Planting - Biopower**
- **BMPs for local government**
- **Tree Planting on private property, funded by utilities**
- **Increase tree ordinances**
- **Tracking of Voluntary Planting**

## Other

- **Forest sector public goods charge and incentive-based regulatory framework**
- **Communication/Education/Outreach**
- **Construct to facilitate communication between state and county**
- **Accelerating the implementation of current fire avoidance building regulation**

**Red measures have been quantified**

# Potential Sequestration from Forest Sector

**Table S-1. Summary of the quantity of carbon (million metric tons CO<sub>2</sub> [MMT CO<sub>2</sub>]) and area (million acres) available at selected price points—≤ \$13.6/MTCO<sub>2</sub> (\$50/MT C), ≤ \$5.5/MT CO<sub>2</sub> (\$20/MT C), and ≤ \$2.7/MT CO<sub>2</sub> (\$10/MT C)—for several classes of activities on existing rangelands and forestlands over 20-year, 40-year, 80-year, and permanent (forest management—riparian buffer) durations.**

Activity	Quantity of C – MMT CO <sub>2</sub>			Area available – million acres		
	20 years	40 years	80 years	20 years	40 years	80 years
Forest management						
Lengthen rotation						
≤\$13.6 (discounted C)	3.47	--	--	0.31	--	--
≤\$13.6 (undiscounted C)	2.16	--	--	0.30	--	--
Increase riparian buffer-width						
≤\$13.6	3.91 (permanent)				0.044	
Grazing lands						
Afforestation						
≤\$13.6	887	3,256	5,639	12.03	17.79	20.76
≤\$5.5	345	3,017	5,504	2.72	14.83	19.03
≤\$2.7	33	1,610	4,569	0.20	5.68	13.34

**Source: CARBON SUPPLY FROM CHANGES IN MANAGEMENT OF FOREST, RANGE, AND AGRICULTURAL LANDS OF CALIFORNIA, Winrock International. CEC-500-2004-068F.**



# Prioritization

- Prioritization criteria
  - 1) The measures with the highest, most cost-effective reductions in 2020
  - 2) Measures that need to be started now to provide the biggest reductions for the 2050 timeframe
  - 3) No-regrets and win/win measures, or measures with low or no barriers.

# Reforestation

Potential: 17 MMTCO<sub>2</sub>/yr by 2030, 75 MMTCO<sub>2</sub>/yr by 2050

- **Reforestation - CFIP**
- **Reforestation - Offset Market**
- **Reforestation - State Lands**
- **Reforestation - Federal Lands**

# Forest Management

Potential: 7.5 MMTCO<sub>2</sub>/yr by 2030

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# Cross-cutting

- **Forest sector public goods charge and incentive-based regulatory framework**
- **Communication/Education/Outreach**
- **Construct to facilitate communication between state and county**
- **Accelerating the implementation of current fire avoidance building regulation**

# Websites and Information

- ARB Forest Scoping Plan Workgroup  
[www.arb.ca.gov/cc/forestry/forest\\_scoping/forest\\_scoping.htm](http://www.arb.ca.gov/cc/forestry/forest_scoping/forest_scoping.htm)
- Scoping Plan  
[www.arb.ca.gov/cc/scopingplan/scopingplan.htm](http://www.arb.ca.gov/cc/scopingplan/scopingplan.htm)



# ARB Office of Climate Change

- February 29, 2008 - AB 32 Program Design Meeting
- Time: 1:30 to 5 p.m., Cal/EPA Bldg.
- This series of meetings is being conducted to provide interested stakeholders the opportunity to provide specific technical input concerning various elements of the program design that will become part of the AB 32 Scoping Plan. There will not be any in-depth discussion of offsets at this meeting - a meeting devoted to offsets is scheduled for later in the spring.
- For more information:  
<http://www.arb.ca.gov/cc/scopingplan/scopingplan.htm>
- [www.arb.ca.gov/cc/scopingplan/pgmdesign-sp/meetings/022908/AB32\\_Program\\_Design\\_2\\_29\\_08\\_WG.pdf](http://www.arb.ca.gov/cc/scopingplan/pgmdesign-sp/meetings/022908/AB32_Program_Design_2_29_08_WG.pdf)